



AL DOUSOR INTL. COMPANY LIMITED



WELCOME

WELCOME MESSAGE

We appreciate you takingthe time to go through the corporate profile of Al Dousor International Company Limited. This is a great opportunity for us to communicate our background, products, services solutions and key competitive strengths to you. This profile is designed to provide you a complete introduction to Al Dousor International Company Limited. We hope and look forward to meet you personally to develop a relationship through one-on-one interaction. Since our inception in 1992, we have developed a trusted and reliable corporate identity by building lasting relationships with our clients,employees,partners,suppliers and contractors. With over 25 years of work, we continue to learn and build from this experience. We thank to everyone who has contributed in the development process of Al Dousor International Company Limited over the years. We thank you for your interest in our company and look forward to work with

دسروباو

DOSROPAW

P & W



AL DOUSR MILESOTNE

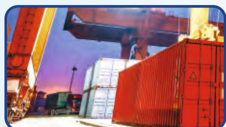
Company	Year	Milestone
Conax Technologies	2017	General Industry Applications Petrochemical Industry Applications Pharmaceutical Industry Applications Photovoltaic Industry Applications PowerGen Industry Applications Semiconductor Industry Applications
Omal Automation	2016	Ball Valves Butterfly Valves Pneumatic Valves Pneumatic Actuators Electrical Actuators
Aspen Tech	2015	AspenTech is the world's leading supplier of software that optimizes process manufacturing.
OBL	2014	Plunger Hydraulic Diaphragm Mechanical Diaphragm Special Solutions Solenoid Dosing Pumps Control Equipments
Flow Tech	2013	Water Hammer Surge Protection System
SLADE	2012	Manufacturing of Patented Graphite Yarns Sealing the Valve and Pump Stuffing Box Becoming a Manufacturer of Braided Graphite Packing
System Separation Sweden AB	2011	The Green Fuel Oil Additives for Power Generation, Oil Refinery and Marine Industry.

دسروباو

DOSROPAW

P & W

CONTENTS AT THE GLANCE




دسروباو

DOSROPAW

P & W

WORDS FROM CEO

The story of Al Dousor International Company Limited began in 1992, it started as a trading establishment based in Jeddah. Since its inception, Al Dousor has grown into multi-divisional and multi-disciplinary organization with its international partners and innovative solutions providers.

No path is easy and this applies to Al Dousor as too. That's why we always concentrate on our team's capabilities and keep them focused on the essentials. For us, our core areas are always crucial and important. Our key areas are including Power, Energy, Electrical, Mechanical, Instrumentation, Chemical, Water and Trading. These areas are our milestones and we have achieved them after many years' struggle and regular hardship. This is how, our domain has become our core identity.

Our Research & Development is our strongest part, so we keeps eyes on upcoming modern trends & market dynamics. We keep our fingers on the pulse of latest innovations around the world. We know our continuous Research and Development is something that makes us entirely different from others. We have highly experienced people in our organization but at the same time we also have many young, energetic and futuristic brains.

As a result of this concentration, we are in the position of being able to recognize our customer's needs earlier and sometimes literally before they actually conceive it. So we quickly identify market needs; remained focused on upcoming demands; work on most innovative ideas; produce cost effective solutions; study feasibility, compatibility and suitability; deploy quickly to set new market trend and it remains our inclusive best practice.

Thanks for your time and interest in Al Dousor International Company Limited., we wish you only the best of success. We believe in long term professional relationship, so we are looking forward ...

Thanks and best regards,

ENGINEER MOHAMMAD ZOUHEIR EL AZEM
Chief Executive Officer (CEO)

Al Dousor International Company Limited

دسروباو
DOSROPAW
P & W



ABOUT AL DOUSR INTERNATIONAL COMPANY LIMITED

OUR HISTORY

Al Dousor International Company Limited (Dosropaw) commenced its business as trading establishment. Since 1992, when Al Dousor was branched out from its mother company named "CEPCO" with the name of Al Dousor Trading Establishment, doing business with most important utilities and customers in Saudi Arabia such as, Saudi Electricity Company (SEC), Saline Water Conversion Corporation (SWCC), Marafiq, Sabic, Sea-Port, Civil Defence, private operation & maintenance companies. The company has now up-graded to Limited Liability Company due to expansion of its business activities and increase in turn-over.

Al DOUSOR - TODAY

Since 2007 to date, Al Dousor International Company Limited (Dosropaw) has redefined its operational area from a trading organization to a company which can provide wide range of products, variety of industrial equipment(s) and supplies, multi-disciplinary specialized corporate services, state of the art most modern and innovative solution as well as having a capacity to do scalable turn-key projects in several different areas.

OUR MISSION

To go beyond client satisfaction by providing high-quality products, services, solutions and the best values. Continuously, striving for the well-being of the society and consistently serving the nation at large.

OUR VISION

Playing a leading as well as trend setting role in our specialized areas including Power & Energy, Electrical & Mechanical, Instrumentation & Trading, Chemical & Water, Specialty Products & Supplies, Import & Export, Technology & innovation. Also maintaining our name, goodwill, rich values, best practice, trust and mutual respect for all.

دسروباو

DOSROPAW

P & W



WHY AL DOUSOR INTERNATIONAL COMPANY LIMITED

We have earned a lot of respect and goodwill in the local and international market. We have strong reputation in our all stakeholders, so our name speaks for itself. We have achieved this prestige through years of dedicated efforts and a committed teamwork. We never compromise in the quality of products and solutions. We are focused on professionalism in our services and after sale support. We have always adopted a very fair profit margin policy to give maximum benefit to our customers. We believe in a long term working relationship with our all clients. We understand the price of time, the value of a peace mind and the meanings of commitments.

MAJOR DIVISIONS

CHEMICAL



TRADING

PROJECTS & SERVICES

دسروباو

DOSROPAW

P & W



OUR CORE VALUES

Our Core Values include Integrity, Transparency, Accountability, Inclusion and Engagement, Innovative Thinking and Thought Leadership, Result Orientation and Continuous Improvement to cope up with our current and future HR requirement and challenges.





OUR TEAM

Today, we are well equipped with Internationally renowned Consultants, Advisors and Experts, Strong Financial Partners, Experienced Top Level Management, Highly Qualified Engineers; Certified Technicians; Experienced Project Managers; Expert Supervisors, Dynamic Marketing Managers; Self-Motivated Sales Executives; Responsive Field Staff and & Active Support Team.

T OGETHER
E VERYONE
A CHIVES
M ORE

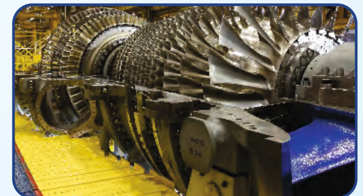
01. CEO
02. Board of Directors
03. Advisory Committee
04. Senior Management
05. Project Managers
06. Trading & Finance
07. Marketing & Sales
08. Engineers & Technical
09. Support & Flied Staff
10. Maintenance & Help

دسروباو
DOSROPAW
P & W

CHEMICAL

- Various Types of Fuel Oil Additives and Combustion Catalysts for Boilers, Turbines and Diesel Engines
- HFO and Diesel Oil Emulsified Fuels
- Supply and technical services for different kinds of antiscalants and antifoams for RO, MSF and MED Plants.
- Chemical Cleaning of Boilers, hard difficult to remove scales of Desalination Plants and various types of process equipment.
- Different Types of turn-key gas plants like CO_2 and Hypochlorite Generators
- Continuous Emission Monitoring Systems (CEMS), Ground Level Emission Monitoring Systems (GLEMS) and Portable Gas Analyzers
- FGD and various types of Scrubbers like Venturi, Activated, Other Chemical Scrubbers and Dust Collectors.
- Incinerators
- NDT & Metallurgical Projects pertaining to failure analysis and remaining life assessment of boilers, steam lines and turbines.
- Chemical Dosing Systems & Storage Tanks
- ULF Scale Control Technology for MSF/MED Desalination Plants
- BREEN Ab Sensor online Acid Dew Point Measuring Instrument





دسروباو
DOSROPAW
P & W



TRADING

Aim to provide the best service to customers in support of world class quality and dedicate for business excellence.

Al Dousor Int. Co. Ltd. Electric Power and Water - Dosropaw draws a precise strategy for dealing with the world's leading manufacturers, trusted and reliable partners, faithful traders and suppliers.

ACTIVITIES

Dosropaw provides material and service to most sectors of industry covering a wide range of power and water equipment.

- Import
- Install
- Recondition, Retrofit, Regenerate
- Test & Commission
- Maintenance

OUR PRODUCTS

- Electrical
- Mechanical
- Instrumentation

دسروباو
DOSROPAW
P & W

OUR PARTNERS

Conax Technologies



Omal Automation



Aspen Tech



OBL



Flow Tech

FLOW TECH

SLADE



System Separation Sweden AB



Solvay



Severn Trent De Nora



Telea srl



ECOSPEC



Gates



H & R Group



Breen Energy Solution



ETD Consulting



GLOBCHEM



UNION ENGINEERING



OUR CLIENTS

Saudi Electricity Company	Saline Water Conversion Corporation	Aramco	Petro Rabigh
Marafiq	Sabic	Luberef	Nomac
Petromin	Mepco	Romco	Rajhi Steel
Solb Steel	Yanbu Cement	Royal Saudi Naval Forces	Doosan Corporation
Hanwha Group	RABEC Electricity Co.	HYUNDAI Heavy Industries Co., Ltd.	

دسروباو
DOSROPAW
P & W



CONSULTANCY DIVISION

Apart from our listed Industrial solutions, products line, services areas and export division, we also offer wide range of consultancy services under our Consultancy Division.

At Al Dousor International Company Limited, everyday comes with several new business opportunities. Today's global market is very dynamic and fast. Things are changing over night. Companies are investing more and more in to science and technology to introduce more brave and innovative ideas e.g to reduce the cost and to improve economic efficiency and effectiveness.

Al Dousor International Company Limited, understands global trends and invests in our research and development on daily bases. We are always working with new partners around the world. We are always in search of new commercial and industrial solutions. We always participate in international conferences, seminars, workshops, trade shows and industrial exhibitions. We keep our eyes on global invention labs, so whenever a new solution comes to global market place, we try our level best to bring it to local market to set a new trend in local market and to make the difference.

If you are looking for any innovative solution(s), either it is related to our listed (solutions, products, services) or not, our Consultancy Division is the right answer.

Our Consultancy Division will study your all requirements and will discuss it with our global consultancy associates and partners. We will bring the best solution to meet your requirements and needs.

Please also visit our website and follow our Consultancy Division, we are updating this section on regular bases. There are several new solutions that we have already introduced in local market but they are not part of our corporate profile. Our consultancy page will keep you updated. You may also subscribe this page to get the latest updates.



INDUSTRIAL INSTRUMENTATION & CONTROL SOLUTIONS

INSTRUMENTATION ENGINEERING:

Instrumentation Engineering is the engineering specialization focused on the principle and operation of measuring instruments that are used in design and configuration of automated systems in electrical, pneumatic domains etc. They typically work for industries with automated processes, such as Power, chemical or manufacturing plants, with the goal of improving system productivity, reliability, safety, optimization, and stability. To control the parameters in a process or in a particular system, devices such as microprocessors, micro-controllers or PLCs are used but their ultimate aim is to control the parameters of a system.

INDUSTRIAL CONTROL SYSTEM (ICS)

Industrial Control System (ICS) is a general term that encompasses several types of control systems and associated instrumentation used in industrial production technology, including Supervisory Control and Data Acquisition (SCADA) Systems, Distributed Control Systems (DCS), and other smaller control system configurations such as Programmable Logic Controllers (PLC) often found in the industrial sectors and critical infrastructures.

SOLUTIONS OFFERED:

1- Selection, Configuration / Programming of all types of process Instruments (temperature, pressure, level, flow etc.) according to process application requirements.



دسروباو

DOSROPAW

P & W

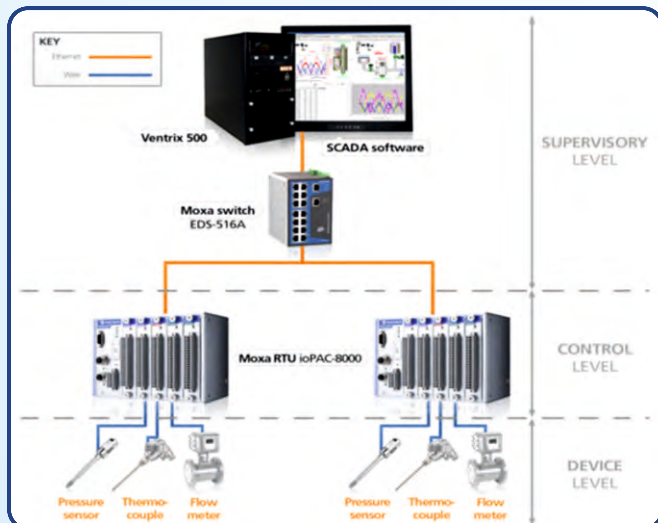


INDUSTRIAL INSTRUMENTATION & CONTROL SOLUTIONS

2- Installation, Testing, Commissioning, Integration with Control System using various communication protocols (ModBus, ProfiBus, Industrial Ethernet etc.) and Calibration of these various types of process Instruments.



3- Design, Procurement, Installation, Testing & Commissioning of Complete Supervisory Control and Data Acquisition (SCADA) Systems for all type of Industries.



4- Maintenance, Selection, Configuration & Replacement of Equipment in Distributed Control Systems (DCS) for various Industries.



5- Selection, Installation, Programming & Commissioning of Programmable Logic Controllers (PLC) from various manufacturers i.e Siemens, Allen Bradlay, Eaton etc.



دسروباو

DOSROPAW

P & W





INDUSTRIAL CCTV SYSTEMS

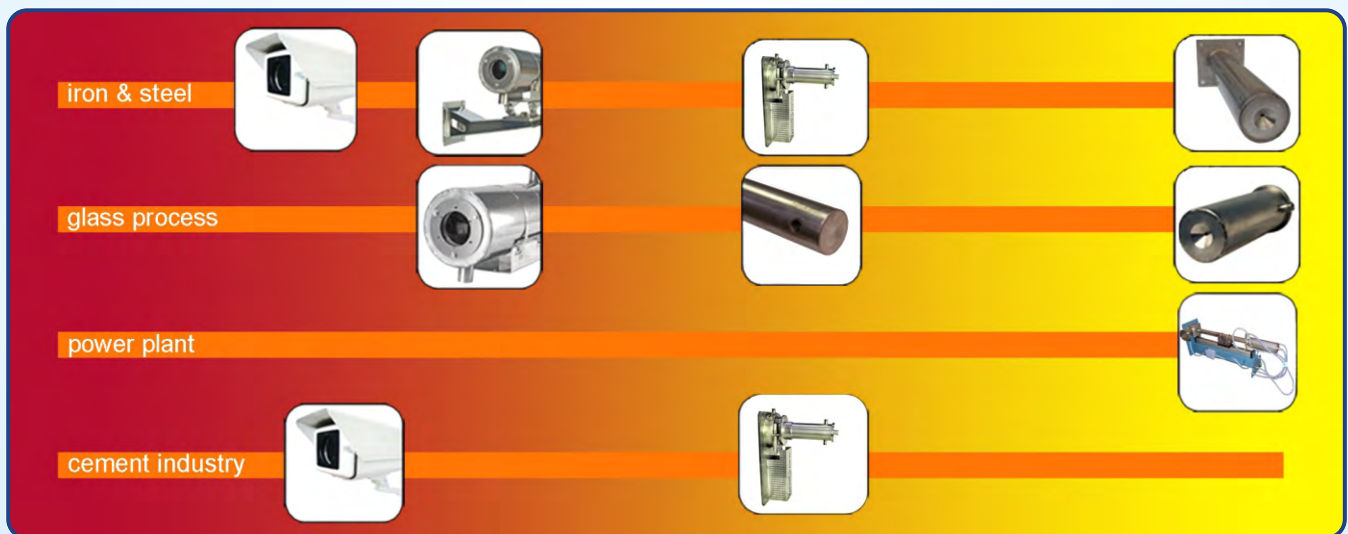
Tecnovision TELEA is the first Italian manufacturer of high temperature vision systems

TECNOVISION INDUSTRIAL CCTV SYSTEMS

- High temperature camera systems

TELEA PRODUCTS & SOLUTIONS

- CCTV equipments
- CCTV systems for industrial process control
- Surveillance and Security systems

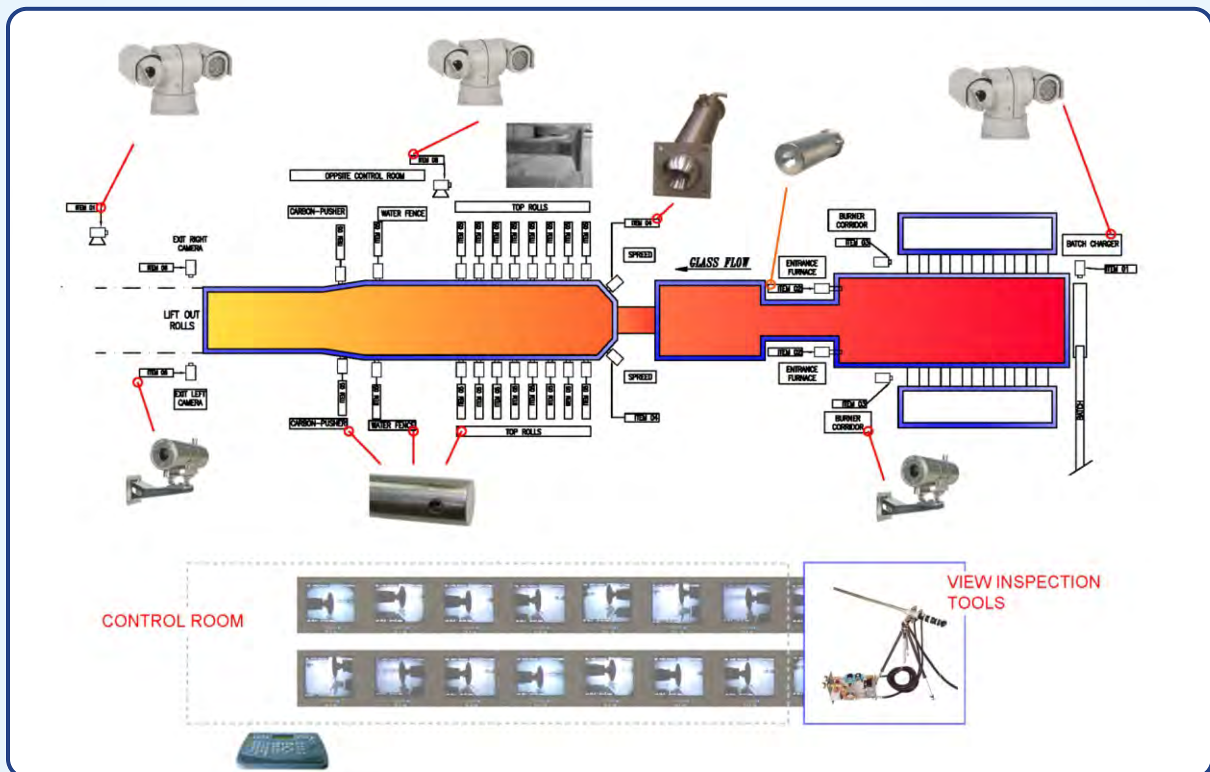


Wide products range available from temperature >50°C up to 2100°C

دسروباو
DOSROPAW
P & W



APPLICATION ON FLOAT GLASS PLANT





EXTERNAL FURNACE



WALL-MOUNTED



INTERNAL FURNACE

دسروباو

DOSROPAW

P & W

INDUSTRIAL AUDIO SYSTEMS | AUDIO SERVERS & ACCESSORIES

Tecnovision TELEA is the first Italian manufacturer of high temperature vision systems

**TELEA
AUDIO COMMUNICATION**

- Industrial Intercom
- Pubblic Address and General Alarm (PAGA)
- Industrial phone systems

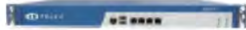
GA-SR-19-01
Enterprise



GA-SR-19-01
Professional



GA-SR-19-01
Standard



GA-SR-20-01
Enterprise



GA-SR-20-01
Professional



GA-SR-20-01
Standard



GA-GW-A1



GA-GW-R5

GA-GW-R10



GXW4216

GXW4004



GXW4024

KalliopeV3FO



IC-AN-16GA01

IC-AN-24GA01



IC-AN-48GA01

IC-AN-72GA01



IC-AN-96GA00



دسروباو
DOSROPAW
P & W

INDUSTRIAL AUDIO SYSTEMS | ANALOG & VOIP INTERCOM

IF-AN-00EP01



IF-AN-14EP01

IF-AN-14EP02



IF-AN-14EP03



IF-AN-14EP05

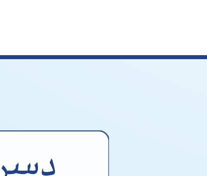
IF-AN-06EP01



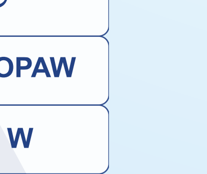
IF-AN-14NT01



IF-AN-14NT02



IF-YN-01EP01



IF-YN-01EP02



IF-IP-14EP01



IF-IP-14EP02



IF-IP-14NT01



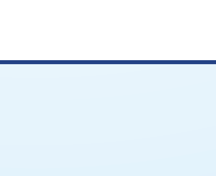
IF-IP-05-EP-01



IF-IP-01EP01



IF-IP-01EP02



IF-IP-01EP03



IF-IP-01-NI-03



GA-ST-02-01



GA-ST-20
Enterprise



GA-ST-20
Professional



GA-ST-20
Standard



IF-YP-01EP03



IF-YP-01EP01



IF-YP-01EP02



دسروباو

DOSROPAW

P & W

INDUSTRIAL AUDIO SYSTEMS

INDUSTRIAL AUDIO SYSTEMS | AMPLIFIERS & SPEAKERS

PA-IP-04EP01



PA-IP-40EP01

PA-IP-40EP02



PA-IP-80EP01

PA1480



PA40120



PA-4120



PA-4240

PA-A2



TAW500 CD-V

AW5512



PMD125-V



PMD250-V



PMD500-V

Tesp80-ws



CAR4



CAR4T

TRX20TW



TRX20

IT 35



TMHS 50T



Tcar-6

DSP-15 EEXmNT



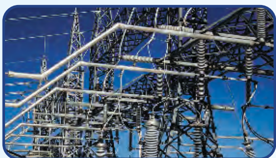
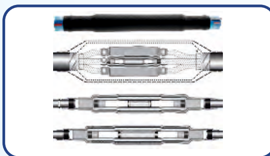
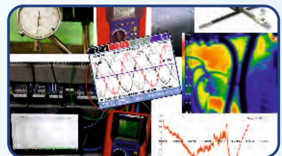
دسروباو

DOSROPAW

P & W



ELECTRICAL

High, Medium & Low Voltage Power Network Equipment(s)	Power System Protection Equipment(s)	Telecommunication Equipment(s)	Power Transformers and Generators	Relay Modules & Circuit Breakers
				
SF6 Gas & All Equipment(s)	All Cable's Filling/Jointing Compound	PPE [Personal Protection Equipment(s)]	Motors & Drive	Power Plants Equipment(s) & Auxiliaries
				
Renewable Energy System	Batteries & Chargers	Lighting Equipment(s)	Cables, Wires & Conductors	All Cables' Termination Kits & Joints
				

دسروباو

DOSROPAW

P & W



ELECTRICAL

Wiring Devices & Accessories	All Kind of Switchgear & Circuit Breakers	All Kind of Tool & Equipment(s)	Cable Oil Silica Gel Transformer Oil	All kind of Electrical Spare Parts
				

دسروباو

DOSROPAW

P & W



MECHANICAL

Our mechanical domain includes the installation and providing all technical engineering solutions for the following equipment(s):

Boilers and Its Parts & Equipment(s)	Heat Exchanger and Its Parts & Equipment(s)	Compressors Its Parts & Equipment(s)	Industrial Air Dryer	Industrial Air Blower
				
Centrifugal Pumps	Chemical Dosing Pumps	Vertical Pumps	Valves	Pressure Regulators
				
Overlay Welding	Mechanical Sealing Glands	Mechanical Seals	Packing	Gaskets
				

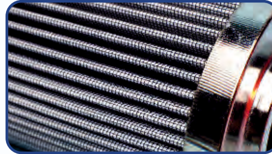
دسروباو

DOSROPAW

P & W



MECHANICAL

Hydraulic Equipment(s)	Expansion Joints	Filters	Clutch	Industrial Coating
				

دسروباو
DOSROPAW
P & W



INSTRUMENTATION

Power Plant & Process Instruments	Industrial Control Systems Instruments	Temperature, Pressure, Level and Flow Transmitters	SCADA Systems Related Equipment(s)	DCS (Distributed Control System) Related Parts & Equipment(s)
				
Industrial Communication System Related Equipment(s)	Control Valves	Single & Multiple Element Sealing	Fiber Optic Sealing	Thermowells
				
RTD Assemblies	Thermocouple Assemblies	Temperature Sensors	Transmitters Controllers	Probe head-mounted temperature transmitter
				

دسروباو

DOSROPAW

P & W



INSTRUMENTATION

Temperature Vision System Equipment(s)	All Type of High Resolution Day Night Cameras	All Type of PTZ IP Camera	Specialized Streight Vision Type Camera	Temperature Vision System Parts and Accessories
				

Industrial Audio Accessories Equipment(s)	Industrial VOIP Intercom Equipment(s)	All Type of Industrial Speakers
		

دسروباو

DOSROPAW

P & W



PROJECTS & SERVICES

Al Dousor International Company Limited offers quality services in various fields of Civil, Electrical, and Mechanical Project Management Services including the Design, Engineering, Supply, Installation and Commissioning of all Civil, Electrical, Mechanical and Plumbing works related to the industrial sector, commercial sector, residential sector as well as high rise building and towers & hospital projects. Al Dousor International Company Limited offers the right solution to the client's requirements resulting in high quality delivery. With equal preference given to projects of any magnitude and our ability to execute projects faster and much sooner than the schedule dates, we strive to offer value engineering at all the stages Design, Engineering, Procurement, Construction, Commissioning, Operations and Maintenance.

- **Domestic**
- **Industrial**
- **Commercial**

Engineering: Al Dousor believes that engineering is the first step on the road to successful completion of a project and its quality can greatly affect the final outcome regardless of project size. Our services cover all facets of the project life cycle from feasibility through to construction and plant upgrades. Our services include: High Voltage Medium Voltage Low Voltage Control Electrical Protection System Instrumentation-Telecommunications

Procurement: Al Dousor logistic team manages the transportation of materials and equipment from fabrication facilities to project sites, meeting the needs of the clients and project schedules. Our hub in our head office Jeddah maintains and updates our supplier register allowing us to build close personal relationships with suppliers, enabling us to deliver imported materials quickly and efficiently while maintaining quality assurance and traceability back to the manufacturer.

Construction: At Al Dousor we believe in accountability during the project life cycle and understand our clients' needs and project schedules. We take on all facets of our projects including construction to ensure that when clients engage us they feel certain of a successful turnkey outcome. Our teams focus on the overall picture, establishing priorities and milestones as well as coordinating activities and participants to ensure that projects are delivered safely, on time and within budget.

دسروباو
DOSROPAW
P & W



PROJECTS & SERVICES

Commissioning: Planning of the commissioning schedule is established during the engineering phase where critical paths and shutdown philosophy is analyzed and agreed upon. This information is then used to prepare a commissioning execution and safety plan, along with startup procedures incorporating Zero Incident start up techniques. Pre-commissioning is conducted in a seamless succession following the construction phase of the project before final commissioning and performance testing.

Operations and Maintenance: Al Dousor International Company Limited currently maintains field personnel throughout O & M department on a number of project sites and actively supports them through our Head Office in Port Moresby. Our highly experienced staff are able to access our engineering and logistical departments to identify and procure long lead time and crucial spare parts to ensure minimum downtime for our clients.

Our company is considered among the most pioneer companies in Saudi Arabia doing lump sum turnkey (LSTK) projects such as CO2 Production Plants, Electro Chlorination Plants using SCADA, PLC and Microcontroller System and any other gas plants like O2, N2, H2, RO Water Plant, Water Treatment Plant, Lime Plant etc.

Furthermore, we did several LSTK projects for Heavy Generators and for Transformers to Saudi Electricity Company power plants and to Royal Saudi Naval Forces. All projects have been executed at the highest quality, safety and international standards.

Having a professional expertise that enabled us to have a full capability of doing multi-functional projects and tasks related to Saudi Electricity Company (SEC), Saline Water Conversion Corporation (SWCC), Petrochemical Plants and any other industrial plants; irrespective large, medium, small projects or even services. Due to our vast experience and our exceptional multinational partners in this field, the vision of our company's management was born as to take further steps and investment to exceed expectations and lead the market.



PROJECTS IN THE KINGDOM OF SAUDI ARABIA

Over the years Al Dousor International Company, has progressively widened its expert capabilities from Electrical Substations and Transmission lines to Power Generation, Power Augmentation, Desalination and Water projects. With its strong technical expertise DOSROPAW designs, fabricates, installs and provides operation and maintenance for all kinds of water related projects like desalination, treatment & transmission and water treatment plants.

Al Dousor International Company (DOSROPAW) is vigorously involved and plays a vital role in the Power and Water sector throughout the Kingdom of Saudi Arabia.

- CO2 Production Plants.
- Electro Chlorination Plants.
- Gas plants like O2, N2, and H2.
- RO Water Plant.
- Water Treatment Plant.
- Lime Plant.
- Supply, control and operation of Boiler Heavy Fuel oil additives.
- Non Destructive tests and Life Assessment.
- Supplying Rhodia 'Albrivap Anti Scalant to SWCC plants.
- Supply, installation of HV & MV GIS Circuit Breaker.
- Supply, installation testing & commissioning 50 MVA Auxiliary Transformers.
- Supply, installation of Rectifiers & AC/DC system.
- Supply, installation of Control Panels.
- Supply, installation testing & commissioning of TELEA TV Furnace camera system.
- Supply, installation testing & commissioning 50 MVA Power Transformers.
- Full turnkey project Supply, installation testing & commissioning 400 KVA Power Diesel Generator with ATS panel & LVDBs.
- Full turnkey project Supply, installation testing & commissioning 600 KVA Power Diesel Generator with ATS panel & LVDBs.

دسروباو

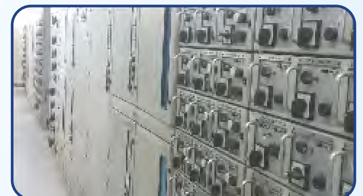
DOSROPAW

P & W



MAIN PROJECTS COMPLETED





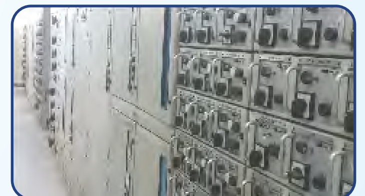
With the professional projects team from all aspects such as Civil, Mechanical, Electrical, Instrumentation, Management and supporting services, we have successfully executed and exceeded clients expectations in the following main projects:

- **Electro Chlorination Plant – Al Shuqaiq, SWCC**
  Capacity - 90 kg/hr
  2006 – 2007
- **CO2 Production Plant – Al Shuqaiq, SWCC**
  Capacity 285 kg/hr
  2009 – 2010
- **Electro Chlorination Plant – Al Shoaiba, SWCC**
  Capacity 143 kg/hr
  2011 – 2012
- **Electro Chlorination Plant – Al Khobar, SWCCC**
  Capacity 143 kg/hr
  2012 – 2014
- **Life assessment project – Jubail, SWCC**
  For Steam Pipelines Common Headers and Boilers
  2013 – 2014
- **Supply, Installation, Testing & Commissioning**
  50 MVA Transformer, In Tabouk
  2013 – 2014

دسروباو
DOSROPAW
P & W

MAIN PROJECTS COMPLETED






- **Supply, Installation, Testing & Commissioning**
  50 MVA Auxiliary Transformers
  2011 – 2012
- **Supply, Installation, Testing & Commissioning**
  50 MVA Power Transformers
  2014 – 2015
- **Supply, Installation, Testing & Commissioning**
  TELEA TV Furnace Camera System
  0000 - 0000
- **Full Turnkey Project Supply, Installation, Testing & Commissioning**
  400 KVA Power Diesel Generator with ATS Panel & LVDBs
  2015-2016
- **Several LSTK Projects**
  Heavy Generators &Transformers for SEC
  and Royal Saudi Naval Forces.

دسروباو
DOSROPAW
P & W



FUEL OIL & WATER-IN-OIL EMULSION ADDITIVES

Our company is the market leader in supplying various fuel oil additives like slurries, organo-metallic sulfonates and carboxylates.

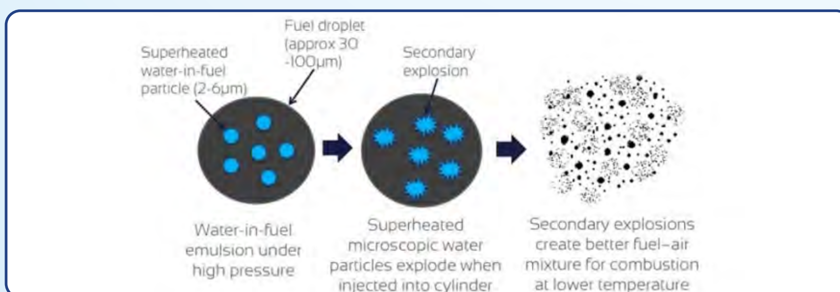
MgO additives are used to combat Vanadic and Sulphur corrosions while firing heavy oil and light crudes in boilers and gas-turbines.

We have our own team of experienced combustion specialists, chemists and maintenance team to follow-up the treatment.

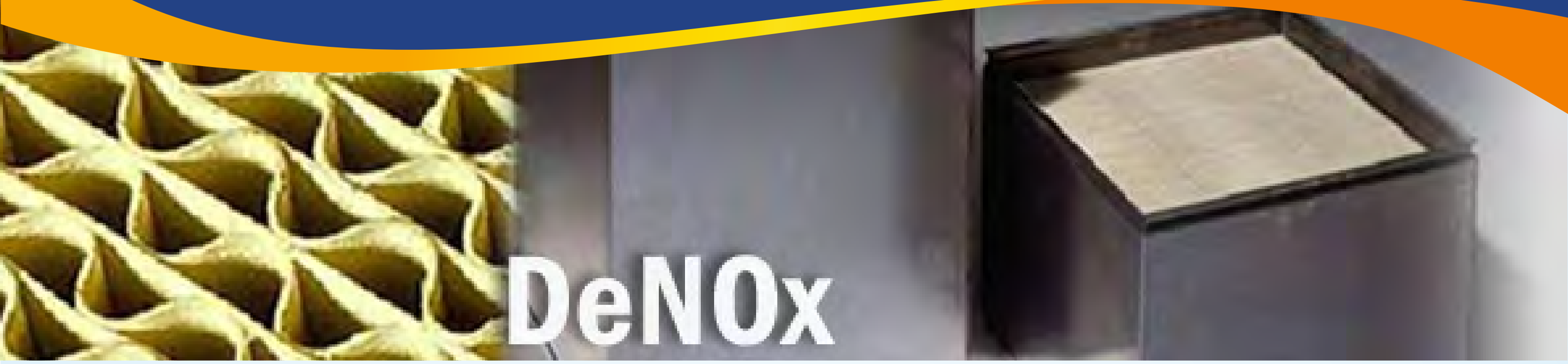
We can provide best performing additives according to budget and clients' choice. We guarantee the results.

EMULSIFIED FUELS

We have a technology to make emulsified fuels from heavy fuel oil and diesel. Emulsified fuels are made in-situ either in-line or stored in day tank. Emulsified fuel improves combustion due to secondary atomization as described below:



دسروباو
DOSROPAW
P & W



BURNING EMULSIFIED FUEL:

- Improves combustion and saves fuel
- Reduces soot down to 60 - 80%
- Reduces NOx according to water percentage
- Requires less excess air

COMBUSTION CATALYSTS

Our combustion catalysts will reduce soot down to 30 - 50% and improves efficiency.



SPECIALTY CHEMICALS FOR DESALINATION PLANTS

RO elements, MSF and MED distillers face fouling due to alkaline scale formation. This will affect the water output. To prevent the formation of these undesired scales, anti-scalants are used.

Al Dousor has experience in supplying the anti-scalants to large corporations like SWCC in Saudi Arabia. Anti-Foams are applied to avoid foaming of sea-water in desalination plants.





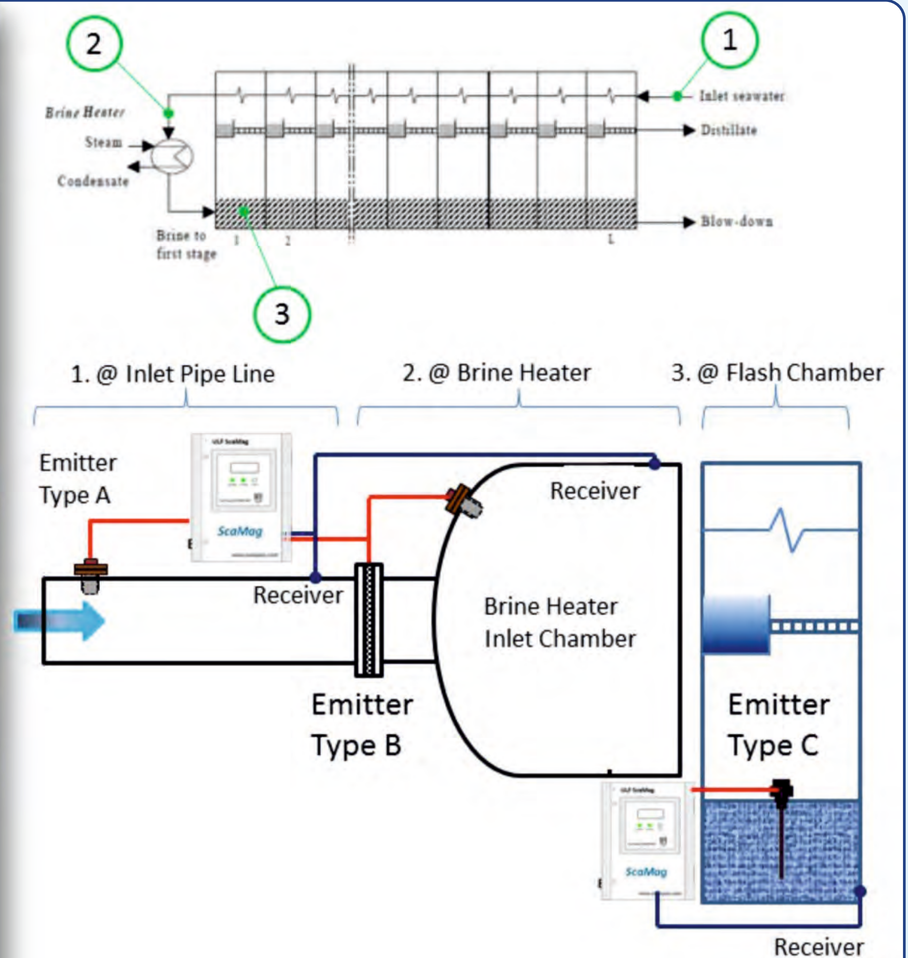


Energy Efficient Scale Prevention in MED/MSF Desalination Encompassing Ultra Low Frequency (ULF)

Conceptual Installation

(Hot Spot Concept)

ecospec



دسروباو

DOSROPAW

P & W



ULF VALUE PROPOSITIONS

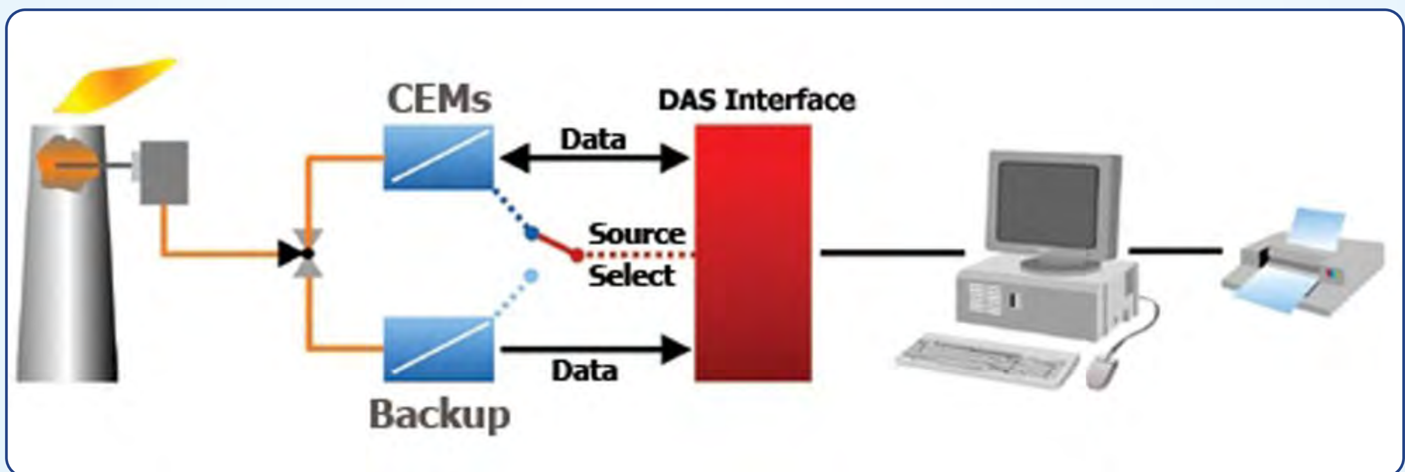
- **Scale control specifically CaSO4 achievable without the use of chemical**
- **Robust and versatile ULF treatment system with**
- Tolerance of wide range of SW intake quality
- Innovative hot spot protection concept for effective scale prevention of key process equipments for eg. brine heater, flash chamber
- Low energy and installation footprint
- Easy retrofitting to existing plant with no mechanical moving parts
- Additional corrosion protection which can do away with sacrificial anode at brine heater or inside flash chamber.
- No consumable
- Cost effective
- **Ease of Maintenance**



دسروباو
DOSROPAW
P & W

ENVIRONMENTAL SOLUTIONS

Al Dousor can undertake turn-key supply of all kind of analysers like Continuous Emission Monitoring Systems (CEMS), Ground Level Emission Monitoring Systems (GLEMS), Weather Stations, Portable Gas Analyzers according to PME, USEPA or European Standards.





STACK EMISSION MONITORING SYSTEMS

Also Dousor can undertake turn-key contract for Discharge Water Continuous Monitoring Stations to monitor various constituents of effluent discharged from the industries to meet PME, USEPA European Standards.









BREEN AB SENSOR ONLINE ACID DEW POINT MEASURING INSTRUMENT

DIRECT MEASUREMENT OF ACID DEWPOINT:

The AbSensor – ADM condensables dewpoint monitoring system from Breen Energy Solutions is an industry-proven instrument for measuring the dewpoint of an acid condensable in a flue gas stream. The actual acid could be mostly sulphuric acid or a combination of various acids within the measurement temperature range.

TARGETED APPLICATION:

The Absensor-ADM is ideally suited for low dust (<3% ash) flue gas applications. It is not suitable for measurements in flue gas where higher temperature condensables such as Ammonium Bisulfate or Sodium Bisulfate are present or have the potential to be present. The AbSensor-ADM can measure dewpoint of acid condensables in the 100 to 350°F range. This primary relates to Sulfuric Acid dewpoint. Additional acids that have dewpoints in this range are Hydrochloric Acid, Sulfurous Acid, Nitric Acid and others.

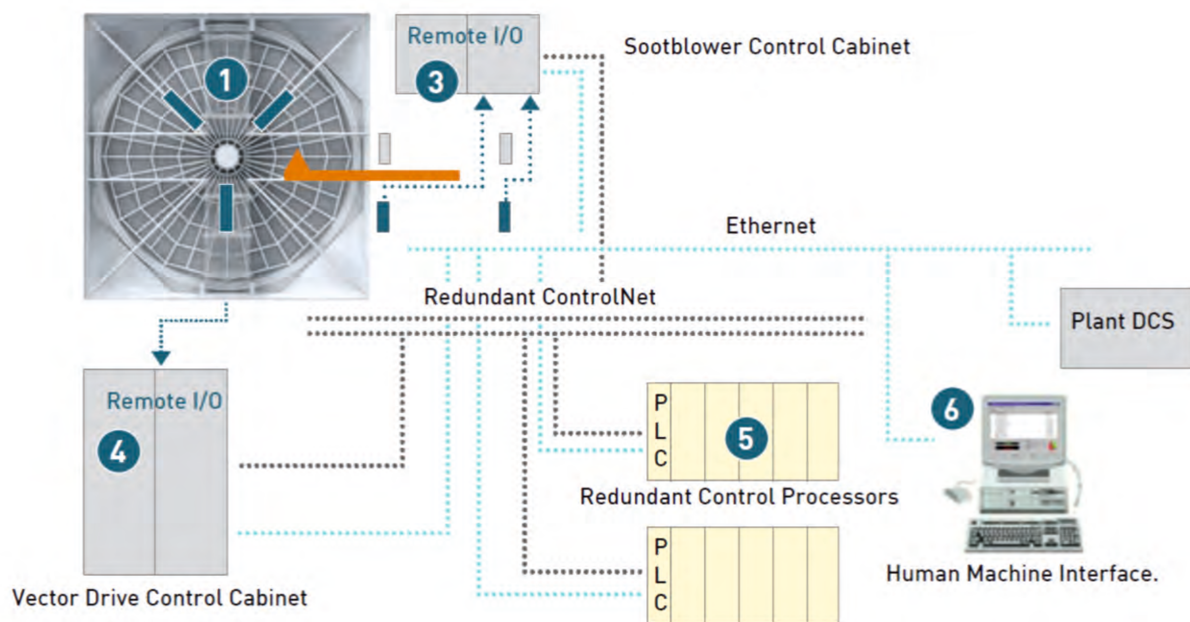


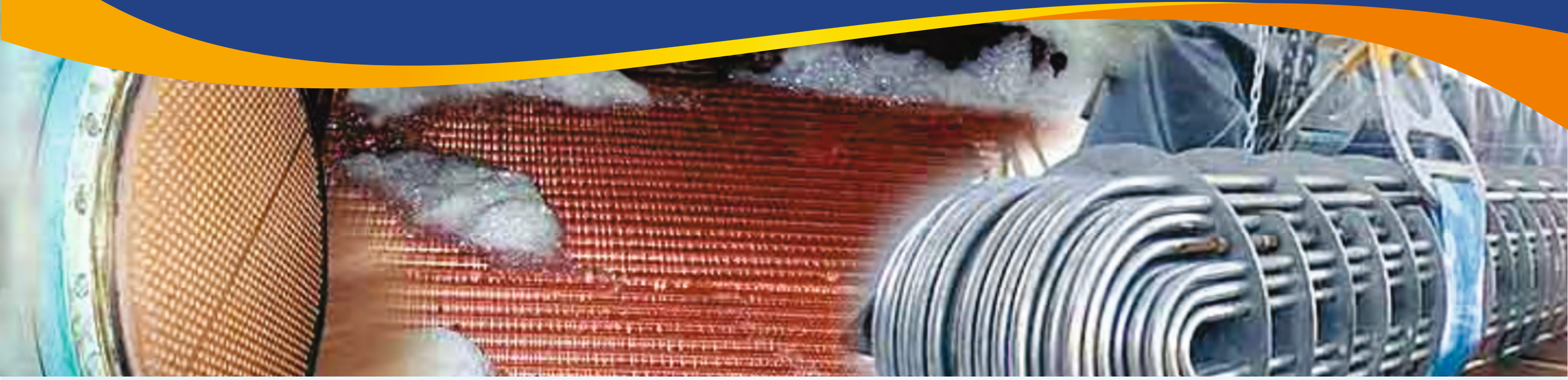






DYNAMIC SPEED CONTROLLED (DYSC™)



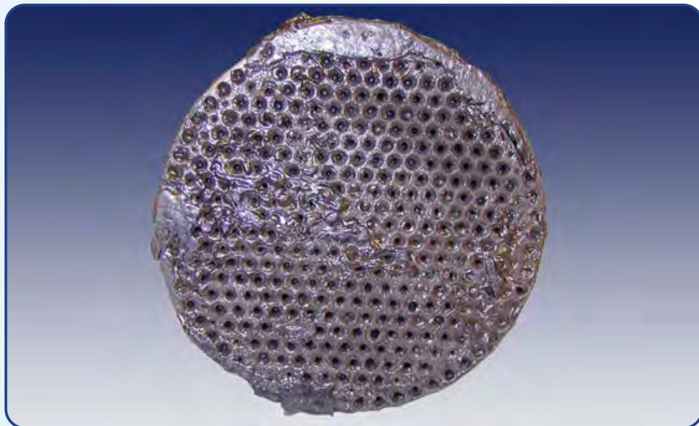


CHEMICAL CLEANING

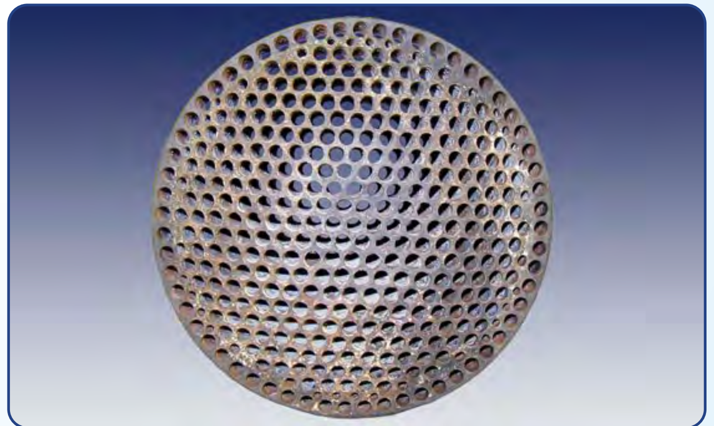
Al Dousor can undertake chemical cleaning of boilers, desalination plants and any industrial system.

We can clean hard magnesium sulphate deposits in diesel units.

BEFORE



AFTER





FGD (FLUE GAS DESULPHURIZATION SYSTEM) & OTHER SCRUBBERS

When burning fuels (Crude, heavy oil, Coal etc) the boilers release harmful gases like SOx , NOx , CO2 etc. to the atmosphere. FGD is used to scrub the SOx component. There are wet and dry type of scrubbers. Al Dousor is in a position to supply such scrubbers to power plants or any process industry.

THE WORLD'S FIRST 3-IN-1 EMISSION ABATEMENT TECHNOLOGY

CSNOx™ is the world's first commercially viable 3-in-1 emission abatement system. It not just achieves impressive removal rates for sulphur dioxide (SO_2) and nitrogen oxides (Nox), the CSNOx™ is also a revolutionary system that removes carbon dioxide (CO_2) all in one process, in a single system. Emission abatement is achieved at a net carbon reduction. Even more notable, is CSNOx™'s quality of wash water, which does not acidify the ocean, nor discharge any secondary pollutants or harmful substances into the sea. Such results are achieved without any chemicals being introduced. Instead, Ecospec's patented Ultra Low Frequency (ULF) wave electrolysis treatment is utilized with all results verified by ABS. CSNOx™ is not just applicable for marine usage, but also applicable for large land-based emission treatment such as incinerators, power plants and refineries.



دسروباو

DOSROPAW

P & W

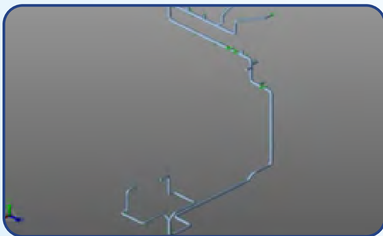


NDT & RLA STUDIES

We can undertake Remaining Life Assessment through NDT, Failure investigation, Root Cause Analysis, Stress Analysis, Finite Element Analysis, Replica Analysis etc for boilers and turbines.

We have done a project of RLA of steam lines for one of the major customers in the Kingdom of Saudi Arabia through our parent company as the main contractor.

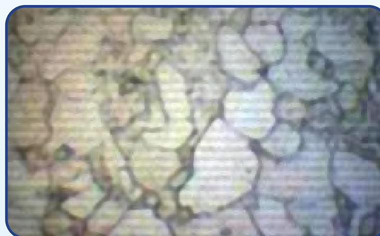
NDT & RLA OF BOILER STEAM LINES & COMMON HEADERS

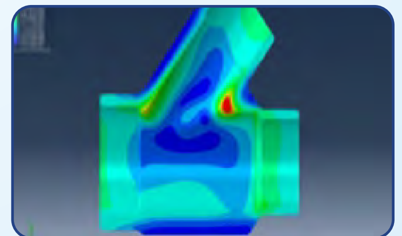










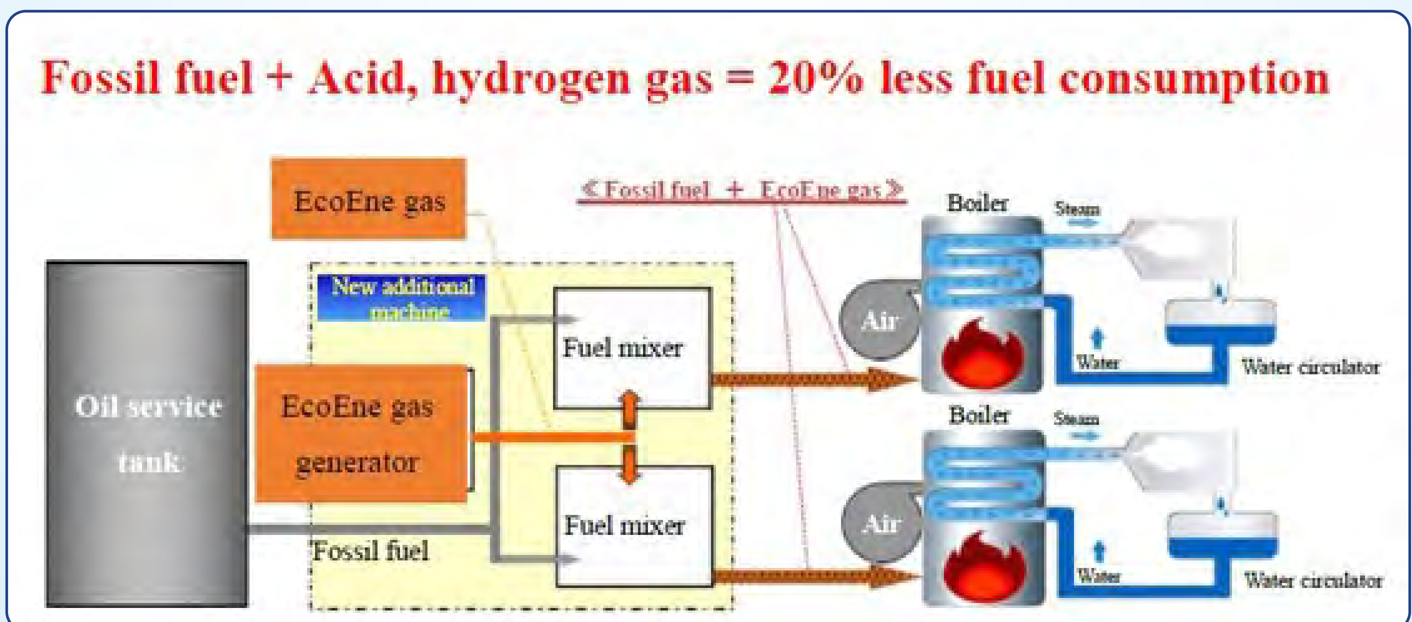




ECOENE HHO GENERATORS

EcoEne Gas System (patented), a new complex fuel wherein the oxyhydrogen gas is mixed in a nano-state which drastically increases combustion efficiency through the catalytic effect of hydrogen (H) and oxygen (O), thus achieves fuel saving and CO2 reductions. Unlike conventional methods in which mixed injection of fossil fuel and oxyhydrogen gas was performed with an ignition nozzle, this method mixes gas into liquid fuel, allowing system devices to be compact, economical with no concern for flashback and can be used with safety in mind.

ECOENE GAS GENERATOR FOR FUEL SAVING



دسروباو

DOSROPAW

P & W



ECOENE HHO GAS GENERATOR

APPLICATIONS OF ECOENE GAS GENERATOR:

- Supplied to steam boilers, hot water boilers and combustion furnaces
- Supplied to incinerators, rotary kilns and drying furnace
- Supplied to large engine power generators, compressors, large vessels and large vehicles as a fuel





EXPORT DIVISION

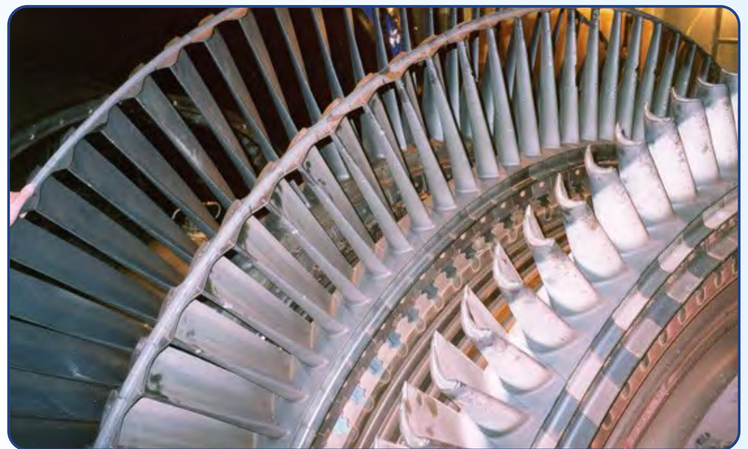
The following items are available for export along with after sale technical support services to our world-wide customers:

- Gas Turbine Fuel Additive: Magnesium Sulphonate having various Mg concentrations.
- Boiler Fuel Oil Additives: Both Organic Magnesium Carboxylates and Mg (OH)2 additives are available.
- Water-in-Oil Emulsion Additive for HFO fired boilers and diesel engines.
- Anti-scalant for Desalination (RO, MSF & MED): Both Phosphonate and Polymaleic acid based antiscalants are available.
- Anti-Foam
- Breen Energy Solution - MENA Region
- ECOSPEC - Midle East
- System Separation Sweden AB - KSA and Kuwait
- MENA Region Customers, Please Send Enquiries to Al Douosr for Land Based CSNOX System for Fuel Oil Fired Power Plants

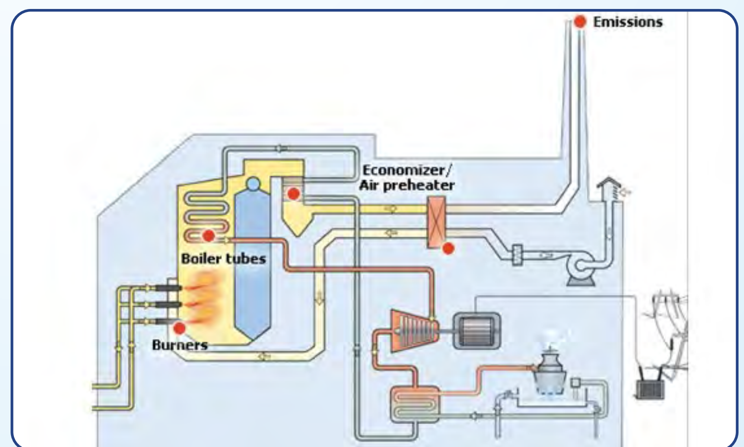
دسروباو
DOSROPAW
P & W



GAS TURBINE FUEL ADDITIVE



BOILER FUEL OIL ADDITIVES



دسروباو

DOSROPAW

P & W

SECTORS SERVED

Power & Energy	Electrical	Mechanical	Instrumentation
			
Chemical	Water Desalination	Telecom Supplies	Steel Industries
			
Safety	Health	Defense	Government
			

دسروباو

DOSROPAW

P & W



SECTORS SERVED



























Address: Ibn Abi Al Aammay Street (9), Al Rowdah District **P.O. Box No:** 10027, Jeddah - 21433, KSA

P: +966-12-2840823/25, **Ex.** 242, **F:** +966-2-2841402
E: info@dousor-sa.com, **W:** www.dousor-sa.com

